



Study & Evaluation Scheme (As per NEP-2020)

B. Tech. Electronics & Communication Engineering w.e.f. 2024-25 (Batch 2024-25 onwards)

Year I, Semester I

S. No.	Course Category	Subject Code	Name of Subject	Periods				Evaluation Scheme						Subject Total	Attributes							United Nations Sustainable Development		
								Sessional (CA)					End Sem. Exam. (ESE)			Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	Goals (SDGs)	
								CT		TA		Total	TE		PE									Total
				L	T	P	C	Th	P	Th	P													
1	PCC	EC101	Basic Electronics	3	0	0	3	50		25		75	75		75	150	√	√	√					4, 9
2	BSC	CH101	Chemistry	3	0	2	4	50	15	25	10	100	75	25	100	200	√	√	√					4
3	BSC	MT101	Mathematics-I	3	1	0	4	50		25		75	75		75	150	√		√					4
4	PCC	EC105	Introduction to Artificial Intelligence & Applications	2	1	0	3	50		25		75	75		75	150	√	√	√		√			4, 9
5	ESC	EE103	Basic Electrical Engineering	3	0	2	4	50	15	25	10	100	75	25	100	200	√	√	√		√			4, 9
6	ESC	ME101	Basic Mechanical Engineering & Workshop	3	0	2	4	50	15	25	10	100	75	25	100	200	√		√					4, 9
7	MC	HM101	Rashtra Gaurav	2	0	0	0	-	-	-	-		100			100				√		√		5
Total				19	2	6	22	345	180	525	550	75	625	1150										

Year I, Semester II

S. No.	Course Category	Subject Code	Name of Subject	Periods				Evaluation Scheme						Subject Total	Attributes							United Nations Sustainable Development			
								Sessional (CA)					End Sem. Exam. (ESE)			Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	Goals (SDGs)		
								CT		TA		Total	TE		PE									Total	
				L	T	P	C	Th	P	Th	P														
1	HSSM	ES102	Concept of Environmental Studies	2	1	0	3	50		25		75	75		75	150	√				√				3, 11, 13, 15
2	BSC	MT112	Mathematics-II	3	1	0	4	50		25		75	75		75	150	√		√						4, 9
3	HSSM	LN132	Communication Skills: Theory and Practices	3	0	2	4	50	15	25	10	100	75	25	100	200	√	√	√						4, 9
4	ESC	CS101	Computer Programming	3	0	2	4	50	15	25	10	100	75	25	100	200	√	√	√						4, 9
5	BSC	PY104	Physics	3	0	2	4	50	15	25	10	100	75	25	100	200	√		√						4, 9
6	IPC	EC205	Electronic Workshop/ Project	0	0	2	1		15		10	25		25	25	50	√	√	√						4, 9
Total				14	2	8	20	310	165		475	375	100	475	950										

L – Lecture, T – Tutorial, P – Practical, C – Credits, CT – Class Test, TA – Teacher Assessment, Th- Theory, OE - Open Elective

Sessional Total (CA) = Class Test (CT) + Teacher Assessment (TA),

Subject Total (CA) = Sessional Total (CA) + End Semester Examination (ESE)

BSC - Basic Science Courses, ESC - Engineering Science Courses, HSSM - Humanities, Social Sciences & Management courses, PEC - Professional Elective courses

PCC - Professional core courses, DE - Departmental Elective, ESA - Engineering Sciences & Arts (Foundation Course & Engineering Course), MC- Mandatory Course

Year II, Semester III

S. No.	Course Category	Subject Code	Name of Subject	Periods				Evaluation Scheme							Subject Total	Attributes							United Nations Sustainable Development		
								Sessional (CA)					End Sem. Exam. (ESE)			Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	Goals (SDGs)		
								CT		TA		Total	TE	PE										Total	
				L	T	P	C	Th	P	Th	P														
1	HSSM	ES203	Disaster Management and Mitigation	3	0	0	3	50		25	-	75	75	-	75	150	√	√	√						4, 9
2	PCC	EC201	Electronic Devices and Circuits	3	0	2	4	50	15	25	10	100	75	25	100	200	√	√	√						4
3	PCC	EC251	Robotics	3	0	2	4	50	15	25	10	100	75	25	100	200	√		√						4
4	PCC	EC203	Network Analysis and Synthesis	3	0	2	4	50	15	25	10	100	75	25	100	200	√	√	√		√				4, 9
5	PCC	EC253	Data Structure with Python	3	0	2	4	50	15	25	10	100	75	25	100	200	√	√	√		√				4, 9
6	ESC	CS203	Cyber Law & Information Security	3	0	0	3	50	15	25	10	75	75	-	75	150	√		√						4, 9
7	HSSM	EC254	Principles of Management & Entrepreneurship	2	0	0	2	50	-	25	-	75	75	-	75	150				√		√			5
Total				20	0	8	24	425	225		625	525	100	625	1250										

Year II, Semester IV

Course Category	Subject Code	Name of Subject	Periods				Evaluation Scheme								Subject Total	Attributes							United Nations Sustainable Development
							Sessional (CA)						End Sem. Exam. (ESE)			Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	Goals (SDGs)
			L	T	P	C	CT		TA		Total	TE	PE	Total									
							Th	P	Th	P													
PCC	EC216	Embedded C and Linux	3	0	2	4	50	15	25	10	100	75	25	100	200	√	√	√					4, 9
PCC	EC209	Digital Electronics	3	0	2	4	50	15	25	10	100	75	25	100	200	√	√	√					4
PCC	EC283	Electromagnetic Field & Antenna	3	0	0	3	50	-	25		75	75	-	75	150	√		√					4
PCC	EC211	Measurement and Sensors	3	0	2	4	50	15	25	10	100	75	25	100	200	√	√	√		√			4, 9
PCC	EC210	Signals and Systems	3	0	0	3	50	-	25		75	75	-	75	150	√	√	√		√			4, 9
PCC	EC256	Mini Project/ Seminar/ Case Study	0	0	3	2	-	30	-	20	50	-	50	50	100				√		√		5
MC	BM226	Human Values Professional Ethics	2	0	0	0	-	-	-	-	-	100	-	100	100				√		√		5
PEC Elective I / Open Elective	EC257/(OE)	Solar Engineering	3	0	0	3	50	-	25	-	75	75	-	75	150	√		√					4, 9
	EC258/(OE)	Wind Engineering																					
	EC259	Quality Control, Assurance & Reliability																					
	EC260	Critical Thinking, Problem Solving & Innovation																					
Total			20	0	9	23	375		200		575	550	125	675	1250								

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